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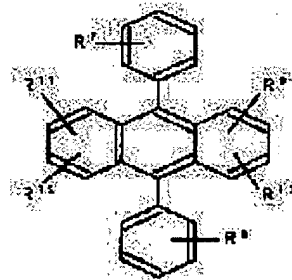
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(54) ORGANIC ELECTROLUMINESCENT ELEMENT

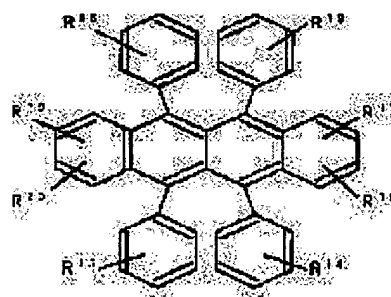
(57)Abstract:

PROBLEM TO BE SOLVED: To improve luminous efficiency and realize stable light emission over a long term by including a predetermined quantity of one or more compounds from among 9, 10-diphenylanthracene and rubrene compounds in a luminescent layer.

SOLUTION: One or more compounds of 0.01–30 mol.% selected from among a group comprising 9,10-diphenylanthracene compounds expressed by formula I and rubrene compounds expressed by formula II are included in a luminescent layer. In the formula I and II, R⁷–R²⁰ each independently represents a hydrogen atom, halogen atom, alkyl group, alkoxy group, aryl group, aryloxy group, acyl group or aralkyl group. A part of hydrogen atoms of these groups may be replaced by halogen atoms, and an oxygen atom may be inserted in between carbon–carbon combination. By using those compounds, voltage rise and luminescence degradation can be suppressed in the continuous driving of a luminescent layer using an 8-hydroxyquinoline complex.



I



II

LEGAL STATUS

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